

Title (en)

Non-contact tissue ablation device

Title (de)

Gerät zur kontaktfreien Gewebeablation

Title (fr)

Dispositif d'ablation sans contact de tissu

Publication

EP 1595576 A1 20051116 (EN)

Application

EP 05010138 A 20050510

Priority

US 84579804 A 20040515

Abstract (en)

A catheter for ablating body tissue of the interior regions of the heart includes a handle assembly, a shaft, and a distal tip section coupled to the distal end of the shaft. The distal tip section has a non-compliant and non-porous cap that has a tubular wall that defines a bore, and an ablation element that is housed inside the bore and spaced apart from the wall of the cap. <IMAGE>

IPC 1-7

A61N 7/02; **A61B 17/22**

IPC 8 full level

A61B 18/00 (2006.01); **A61B 17/22** (2006.01); **A61N 7/02** (2006.01); **A61B 5/00** (2006.01); **A61B 5/0245** (2006.01); **A61B 5/042** (2006.01); **A61B 17/00** (2006.01); **A61B 17/32** (2006.01); **A61B 18/14** (2006.01)

CPC (source: EP US)

A61B 5/24 (2021.01 - US); **A61B 17/2202** (2013.01 - EP US); **A61N 7/022** (2013.01 - EP US); **A61B 5/01** (2013.01 - EP US); **A61B 5/0245** (2013.01 - EP US); **A61B 5/24** (2021.01 - EP); **A61B 2017/00243** (2013.01 - EP US); **A61B 2017/00247** (2013.01 - EP US); **A61B 2017/320084** (2013.01 - EP US); **A61B 2018/00392** (2013.01 - EP US)

Citation (applicant)

- US 6004269 A 19991221 - CROWLEY ROBERT J [US], et al
- US 2004077976 A1 20040422 - WILSON RICHARD R [US]
- WO 9629935 A1 19961003 - BOSTON SCIENT CORP [US]

Citation (search report)

- [X] US 6004269 A 19991221 - CROWLEY ROBERT J [US], et al
- [X] US 2004077976 A1 20040422 - WILSON RICHARD R [US]
- [X] WO 9629935 A1 19961003 - BOSTON SCIENT CORP [US]

Cited by

US11740138B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1595576 A1 20051116; **EP 1595576 B1 20121003**; CA 2506921 A1 20051115; CA 2506921 C 20130108; CN 100531679 C 20090826; CN 1720874 A 20060118; JP 2005324029 A 20051124; JP 4588528 B2 20101201; US 2005256518 A1 20051117; US 2008177205 A1 20080724; US 7285116 B2 20071023

DOCDB simple family (application)

EP 05010138 A 20050510; CA 2506921 A 20050509; CN 200510072658 A 20050516; JP 2005139468 A 20050512; US 84579804 A 20040515; US 97582207 A 20071022